



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/508,935	09/24/2004	Naoya Matsuura	A2-200 US	9865
7590	06/14/2005			
Molex Incorporated 2222 Wellington Court Lisle, IL 60532				
EXAMINER HAMMOND, BRIGGITTE R				
ART UNIT 2833				
PAPER NUMBER				

DATE MAILED: 06/14/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

20

Office Action Summary	Application No. 10/508,935	Applicant(s) MATSUURA ET AL.	
	Examiner Brigitte R. Hammond	Art Unit 2833	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-12 is/are pending in the application.
 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☒ Claim(s) 1,5,8-10 and 12 is/are rejected.
- 7) ☒ Claim(s) 2-4,6,7 and 11 is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 24 September 2004 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 a) ☐ All b) ☐ Some * c) ☒ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. ____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|--|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. ____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date ____ | 6) <input type="checkbox"/> Other: ____ |

DETAILED ACTION

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1, 5, 8-10 and 12 are rejected under 35 U.S.C. 102(b) as being anticipated by Poliak et al. 3,891,297. Poliak et al. disclose an electrical wire connecting device, comprising, an insulative housing 14; a screw 38 mounted for rotation in the housing, the screw being capable of selective rotation in a first or second direction about a rotational axis at a preselected level with said housing, said screw 38 being restrained from axial movement within said housing; a slider 40 supported within said housing and engaged with said screw and capable of forward or rearward axial movement within said housing movement and upon said screw in accordance with the screw rotation direction, a guide hole 52 disposed in said housing spaced apart from said screw, the guide hole providing a passage into said housing which receives an electrical wire 18 inserted into said housing, said housing further including a conductive contact 11 proximate to said guide hole for contacting the wire inserted into said guide hole; and a cam 44 for selectively pressing said wire inserted into said guide hole into electrical contact with said contact, the cam including a body portion rotatably mounted within said housing, the cam including a wire-contacting portion (at 44) for pressing said wire inserted into said guide hole against said contact, said cam wire-contacting portion

Art Unit: 2833

pressing engagement with said wire when said screw is turned in said first direction and said slider moves in a forward direction and said cam wire-contacting portion moving out of pressing engagement with said wire to permit said wire to be removed from said guide hole when said screw is turned in said second direction and said slider moves in a rearward direction.

Regarding claim 5, the guide hole and the screw are parallel to each other within said housing.

Regarding claims 8 and 9 the contact 11 defines a surface of said guide hole and contact projects rearwardly of said housing.

Regarding claim 10, the cam includes at least two projections 46, 47 extending transversely from said cam body toward opposing walls of said housing, the projections maintaining true rotation of said cam within said housing.

Regarding claim 12, the guide hole includes a lead in surface.

Allowable Subject Matter

Claims 2-4,6,7 and 11 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Regarding claim 2, patentability resides, at least in part in the slider having a threaded passage that threadedly engages the screw, and wherein frictional force acting between the screw and the slider threaded passage prevents said slider from moving without rotating the screw, in combination with the other limitations of the base claim; **regarding claim 3**, patentability resides, at least in part in the slider having a

Art Unit: 2833

projection disposed thereon, and wherein the cam includes a cavity receiving the slider projection therein, in combination with the other limitations of the base claim; **regarding claim 4**, patentability resides, at least in part in the cam including a stop surface that is moved into said guide hole by rotation of said screw in said second direction, the stop surface preventing insertion of said wire into said guide hole, in combination with the other limitations of the base claim.

Conclusion

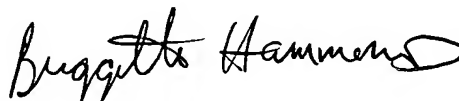
The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Dobbelaere et al. 5,496,186 and Link et al. 5,313,033 were cited for similar connectors.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Brigitte R. Hammond whose telephone number is 571-272-2006. The examiner can normally be reached on Mon.-Thurs. and Alternate Fridays from 7:30-5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Paula A. Bradley can be reached on 571-272-2800 ext. 33. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Art Unit: 2833

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Brigitte R. Hammond
Primary Examiner
Art Unit 2833

June 13, 2005